

In the claims:

1. (First Amd't) A system for compiling [a sequence of] data blocks [suitable] for producing [an audio and/or video] a prescribed duration output sequence [having a prescribed duration] suitable for driving an output transducer, said system comprising:

a data storage library storing one or more source segments wherein each source segment is capable of being partitioned into a plurality of data blocks;

a stored data table [referencing one or more audio and/or video source segments wherein said table contains entries to partition each of said segments into multiple data blocks] comprised of one or more groups of table entries, each such group being associated with a different one of said source segments and wherein each table entry defines a data block within the associated source segment;

each said table [entries defining] entry additionally identifying [the] characteristics of [each] the associated data block including its duration, its suitability to begin or end [a] an output sequence, and its interblock compatibility;

a user interface for enabling a user to prescribe [a] an output sequence duration; and

a block sequence compiler for iteratively compiling a list of one or more output sequences each [comprised of a plurality of blocks selected according to said user-prescribed sequence

duration such that each said sequence conforms with said table entries] essentially conforming to said prescribed output sequence duration and wherein each output sequence is comprised of a plurality of data blocks selected according to said table entry characteristics.

2. (First Amd't) The system of claim 1 additionally comprising means for displaying said list of one or more output sequences.

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3. (First Amd't) The system of claim 1 additionally comprising means to store at least one said output sequence from said list.

4. (First Amd't) The system of claim 1 additionally comprising means for driving an output transducer according to [play a selected] an output sequence selected from said list.

5. (First Amd't) The system of claim 1 wherein said table entries additionally [comprises] include data [corresponding to] identifying a mood parameter for each said data block and said user interface additionally enables a user to prescribe a mood parameter and said block sequence compiler selects data blocks according to said user-prescribed mood parameter.

6. (First Amd't) The system of claim 1 wherein said table entries additionally [comprises] include data [corresponding to] identifying a fadeable parameter for each said data block and said block sequence compiler selects an ending data block having said fadeable parameter set and wherein such fadeable data blocks can be truncated to achieve [audio and/or video] output sequences of said user-prescribed output sequence duration.

a' 7. (First Amd't) The system of claim 1 wherein said table entries additionally [comprises] include data [corresponding to] identifying an intensity parameter for each said data block and said user interface additionally enables a user to prescribe an intensity curve and said block sequence compiler selects data blocks according to said user-prescribed intensity curve.

8. (First Amd't) The system of claim 1 wherein said table additionally comprises data [corresponding to] identifying a hit point parameter for each said data block for specifying when an intensity burst is present within said data block and said user interface additionally prescribes an intensity burst location and said block sequence compiler compiles output sequences of said data blocks according to said user-prescribed intensity burst location.

9. (First Amd't) The system of claim 1 wherein said user interface additionally enables a user to prescribe one of said [audio and/or video] source segments and said [processor] block sequence compiler compiles output sequences of data blocks selected from said user-prescribed source segment.

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10. (First Amd't) The system of claim 1 wherein said table entries additionally [comprises] include data [corresponding to] identifying a static parameter for each said data block and said block sequence compiler can select [a] an ending data block having said static parameter set and wherein such static data blocks can be extended to form output sequences of said user-prescribed output sequence duration.

11. (First Amd't) A method for compiling [a sequence of] data blocks [suitable] for producing [an audio and/or video] a prescribed duration output sequence suitable for driving an output transducer [of a prescribed duration], said method comprising the steps of:

providing data in a data storage library corresponding to at least one [audio and/or video] source segment;

partitioning said source segment into a plurality of data blocks;

[defining multiple data blocks corresponding to portions of said source segment and] indicating characteristics corresponding to the duration of each data block;

[assigning] indicating characteristics [to] of each data block corresponding to the suitability of each data block to begin or end [a] an output sequence and the interblock compatibility of each data block;

defining a desired duration for an output sequence; and

a¹ iteratively compiling a list of one or more output sequences [each comprised of a plurality of blocks according to said desired duration such that each said sequence conforms with said characteristics of each block] essentially conforming to said prescribed output sequence duration and wherein each output sequence is comprised of a plurality of data blocks selected according to said table entry characteristics.

12. (First Amd't) The method of claim 11 additionally comprising the step of selecting one of said source segments and wherein said iteratively compiling step compiles sequences of data blocks from those data blocks corresponding to [said] a selected source segment.

13. (First Amd't) The method of claim 11 additionally comprising the step of displaying said compiled list of one or more output sequences.

14. (First Amd't) The method of claim 11 additionally comprising the steps of:

selecting one of said output sequences from said compiled list; and

outputting a sequence of data blocks corresponding to said selected output sequence.

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15. (First Amd't) A method for compiling [a sequence of] data blocks [suitable] for producing [an audio and/or video] a prescribed duration output sequence suitable for driving an output transducer wherein said output sequence is comprised of a plurality of [sequence of a prescribed duration from an audio and/or video source segment having multiple] data blocks corresponding to portions of [said] a source segment and indicating characteristics of each data block corresponding to its duration, its suitability of each data block to begin or end [a] an output sequence, and its interblock compatibility, said method comprising the steps of:

defining a desired [duration for an audio and/or video] output sequence duration; and

iteratively compiling a list of one or more output sequences each comprised of a plurality of data blocks according to said desired output sequence duration such that each said output

sequence is comprised of a plurality of data blocks conforming to its indicated characteristics [conforms with said characteristics of each block].

16. (First Amd't) A system for compiling [a sequence of] data blocks [suitable] for producing [a repeatable] an output sequence suitable for repeatably driving an output transducer [audio and/or video output sequence having a prescribed duration], said system comprising:

Q1 a data storage library for storing one or more source segments wherein each source segment is capable of being partitioned into a plurality of data blocks;

a stored data table [referencing one or more audio and/or video source segments wherein said table contains entries to partition each of said segments into multiple data blocks] comprised of one or more groups of table entries, each such group being associated with a different one of said source segments and wherein each table entry defines a data block within the associated source segment;

each said table [entries defining] entry additionally identifying [the] characteristics of [each] the associated data block including its duration and its interblock compatibility;

a user interface for enabling a user to prescribe [a] an output sequence duration corresponding to the durations of said data blocks comprising an output sequence; and

a block sequence compiler for iteratively compiling a list of one or more repeatable output sequences each comprised of a plurality of data blocks selected to essentially conform to said user-prescribed output sequence duration and wherein each output sequence is comprised of a plurality of data blocks selected according to said table entry characteristics [such that each said sequence conforms with said table entries].

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17. (First Amd't) The system of claim 16 additionally comprising means for displaying said list of one or more output sequences.

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18. (First Amd't) The system of claim 16 wherein each said repeatable sequence comprises at least a first data block and a last data block and wherein said last data block of each said repeatable output sequence is selected such that the first data block of each said repeatable output sequence is compatible, according to said table entries, to sequentially follow said last data block of each said repeatable output sequence.

19. (First Amd't) The system of claim 16 wherein said table entries additionally include a reversible parameter to identify data blocks suitable for playing both in a forward or in a reverse direction and each said data block selected by said block sequence compiler has said reversible parameter set.